☐ [Generate Collection] [Print]

L11: Entry 3 of 3   File: USPT   Dec 6, 2005

DOCUMENT-IDENTIFIER: US 6973378 B2
TITLE: In-vehicle control device communicatable with external communication system and in-vehicle
LAN

Detailed Description Text (7):
The vehicular I/O module 4 communicates low speed data (slow data) with a control system LAN 21
installed in the vehicle. Furthermore, the vehicular I/O module 4 communicates high speed data
(fast data) with an information system LAN 22 installed in the vehicle. The control system LAN 21
is formed by interconnecting various corresponding devices, such as various ECUs, which are
involved in vehicle control operation. The information system LAN 22 is formed by interconnecting
various corresponding devices, such as an automobile navigation system and a vehicular display
device.

Detailed Description Text (48):
In addition to the Bluetooth communication device installation arrangement and/or the GPS
receiver installation arrangement, the control module circuit board 13 can have a dedicated
wireless LAN communication device installation arrangement, to which a wireless LAN communication
device is installed, and/or a dedicated DSRC communication device installation arrangement, to
which a DSRC communication device is installed.

CLAIMS:

2. The in-vehicle control device according to claim 1, wherein the control module has a control
module circuit board that includes a dedicated radio communication device installation
arrangement, which is adapted to receive and to operably connect with a radio communication
device.

Refine Search

Search Results -

Terms	Documents
L9 and L10	3

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L11

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Wednesday, March 07, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=PGPB,USPT; PLUR=YES; OP=OR		
L11	l9 and L10	3	L11
L10	dedicated adj2 (radio adj communication)	44	L10
L9	l7 and L8	179	L9
L8	navigation	72501	L8
L7	l5 same L6	395	L7
L6	dsrc	529	L6
L5	bluetooth or (short adj range)	44994	L5
	DB=USPT; PLUR=YES; OP=OR		
L4	proximity and L1	0	L4
L3	proxinity and L1	0	L3
L2	short and l1	0	L2
L1	7130743.pn.	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L8 and L9	17

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L10

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Wednesday, March 07, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR			
L10	l8 and L9	17	L10
L9	day and time and week	234975	L9
L8	l6 and L7	37	L8
L7	traffic adj information	13224	L7
L6	l4 and L5	934	L6
L5	threshold adj value	212174	L5
L4	l2 and L3	18989	L4
L3	frequen$ or often	3498919	L3
L2	travel same pattern	40493	L2
L1	travel near pattern	1232	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L7 and L19	12

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
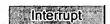IBM Technical Disclosure Bulletins

Search: L20

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Wednesday, March 07, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L20	l7 and L19	12	L20
L19	l17 and L18	74	L19
L18	threshold	714319	L18
L17	l15 and L16	111	L17
L16	frequency or "often"	3497045	L16
L15	l13 and L14	128	L15
L14	predict$	440160	L14
L13	l9 and L12	174	L13
L12	travel adj (pattern or history)	1093	L12
L11	travel adj pattern	742	L11
L10	l8 and L9	17	L10
L9	day and time and week	234975	L9
L8	l6 and L7	37	L8
L7	traffic adj information	13224	L7
L6	l4 and L5	934	L6
L5	threshold adj value	212174	L5
L4	l2 and L3	18989	L4

L3	frequen$ or often	3498919	L3
L2	travel same pattern	40493	L2
L1	travel near pattern	1232	L1

END OF SEARCH HISTORY